United States Patent [19] Kadokura et al. [54] DISPERSION-TYPE ELECTROLUMINESCENCE DEVICE [75] Inventors: Hidekimi Kadokura; Hiroshi Yoshitake; Masayoshi Tanahashi, all of Niihama, Japan Sumitomo Chemical Company, [73] Assignee: Limited, Osaka, Japan [21] Appl. No.: 362,459 [22] PCT Filed: Sep. 28, 1988 [86] PCT No.: PCT/JP88/00984 § 371 Date: May 24, 1989 § 102(e) Date: May 24, 1989 [87] PCT Pub. No.: WO89/03163 PCT Pub. Date: Apr. 6, 1989 [30] Foreign Application Priority Data Japan 62-247425 Sep. 29, 1987 [JP] [51] Int. Cl.⁵ H01J 63/04 [52] U.S. Cl. 313/509; 313/502;

References Cited

U.S. PATENT DOCUMENTS

[56]

[11] Patent Number:

5,012,156

[45] Date of Patent:

Apr. 30, 1991

4,767,679 8/1988 Kawachi 313/512

FOREIGN PATENT DOCUMENTS

38-5759 5/1963 Japan . 59-14878 4/1984 Japan .

OTHER PUBLICATIONS

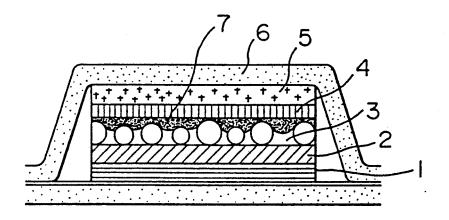
Database Derwent World Patent Index, An 80-33981C (19); JP-B-80 014 516 (Matsushita Elec. Ind. K.K.) 17-04-1980 *Abstract*.

Primary Examiner—Donald J. Yusko Assistant Examiner—Diab Hamadi Attorney, Agent, or Firm—Stevens, Davis, Miller & Mosher

[57] ABSTRACT

The object of the present invention is to provide a dispersion-type electroluminescence device low in current density, excellent in luminous efficiency and less in uneven luminance. For attaining this object, dented portions present in an upper part of a luminous layer of dispersion-type electroluminescence device having a back electrode layer and, laminated thereon, an insulator layer, a luminous layer and a transparent electrode layer are coated with a resin composition having a dielectric constant which is lower than that of a dielectric resin composition used for formation of the luminous layer which is 5 or higher and a transparent electrode layer is than laminated thereon.

1 Claim, 1 Drawing Sheet



313/504; 313/506

313/512, 505, 504